

WHAT IS CLAIMED IS:

1. A heat-sensitive recording material which has a heat-sensitive recording layer formed on a surface of a substrate, the recording layer comprising a basic chromogenic dye precursor and a developer, wherein as the developer, there is used a mixture comprising 5 to 95 wt% of 2,2-dimethyl-1,3-bis(4-hydroxybenzoyloxy)propane and 95 to 5 wt% of 4,4'-hydroxydiphenyl sulfone.

2. The material according to claim 1, wherein as the developer, there is used a mixture comprising 25 to 75 wt% of 2,2-dimethyl-1,3-bis(4-hydroxybenzoyloxy)propane and 75 to 25 wt% of 4,4'-hydroxydiphenyl sulfone.

3. The material according to claim 1, wherein the heat-sensitive recording layer contains, as the basic chromogenic dye precursor, at least one selected from the group consisting of 3-N,N-dibutylamino-6-methyl-7-anilinofluoran, 3-N,N-diethylamino-6-methyl-7-anilinofluoran, 3-(N-isoamyl-N-ethyl)amino-6-methyl-7-anilinofluoran, 3-(N-isopentyl-N-ethyl)amino-6-methyl-7-anilinofluoran, 3-(N-cyclohexyl-N-methyl)amino-6-methyl-7-anilinofluoran, 3-N,N-diethylamino-6-chloro-7-anilinofluoran and 3,3-bis(p-dimethylaminophenyl)-6-dimethylaminophthalide.

4. The material according to claim 1, wherein the heat-sensitive recording layer contains, as a sensitizer, at

least one selected from the group consisting of diphenyl sulfone, 1,2-bis(phenoxy)ethane, 1,2-bis(3-methylphenoxy)ethane, 1,2-bis(4-methylphenoxy)ethane, β -naphthylbenzyl ether, dibenzyl oxalate, di-p-methylbenzyl oxalate, di-p-chlorbenzyl oxalate, stearic acid amide and ethylenebisstearic acid amide.

5. The material according to claim 2, wherein the heat-sensitive recording layer contains, as a sensitizer, at least one selected from the group consisting of diphenyl sulfone, 1,2-bis(phenoxy)ethane, 1,2-bis(3-methylphenoxy)ethane, 1,2-bis(4-methylphenoxy)ethane, β -naphthylbenzyl ether, dibenzyl oxalate, di-p-methylbenzyl oxalate, di-p-chlorbenzyl oxalate, stearic acid amide and ethylenebisstearic acid amide.

6. A method for producing a heat-sensitive recording material which comprises the steps of applying a coating solution for a primer coat on one surface of a substrate and then applying a coating solution for a heat-sensitive layer on the formed primer coat, wherein the coating solution for a heat-sensitive layer is prepared by mixing of a developer dispersion, a basic chromogenic dye precursor dispersion, a sensitizer dispersion, a pigment dispersion and a lubricant dispersion, and the developer is a mixture of 2,2-dimethyl-1,3-bis(4-hydroxybenzoyloxy)propane and 4,4'-hydroxydiphenyl sulfone.

7. A method for producing a heat-sensitive recording material which comprises the steps of applying a coating solution for a primer coat on one surface of a substrate and then applying a coating solution for a heat-sensitive layer on the formed primer coat, wherein the coating solution for a heat-sensitive layer is prepared by mixing of a developer dispersion, a basic chromogenic dye precursor dispersion, a sensitizer dispersion, a pigment dispersion and a lubricant dispersion, and the sensitizer is selected from the group consisting of 1,2-bis(phenoxy)ethane, 1,2-bis(3-methylphenoxy)ethane, β -naphthylbenzyl ether and stearic acid amide.